

**5-12 Chemistry Major - 152
Advising Checklist**

Name _____

Education Core:

- _____ 205 Educational Foundations
- _____ 215 Practicum in Education
- _____ 257 Exceptional Learners
- _____ 387 Human Relations
- _____ 235 Educational Psychology
- _____ 485 Methods Secondary Science

Iowa General Education:

- _____ Mathematics
- _____ Natural Science
- _____ Social Science
- _____ Humanities

Requirements for the Major:

- _____ 1. CHM 155 Principles of Structural Chemistry
 - _____ 2. CHM 165 Principles of Chemical Reactivity
 - _____ 3. CHM 185 Organic Chemistry I
 - _____ 4. CHM 215 Analytical Chemistry
 - _____ 5. CHM 210 Analytical Chemistry Lab
 - _____ 6. CHM 225 Organic Chemistry II
 - _____ 7. CHM 235 Organic Laboratory
 - _____ 8. CHM 415 Physical Chemistry I
 - _____ 9. **One** advanced chemistry elective chosen from:
 - _____ CHM 405 Biochemistry
 - _____ CHM 425 Physical Chemistry II
 - _____ CHM 515 Advanced Organic Chemistry
 - _____ CHM 525 Advanced Analytical Chemistry
 - _____ CHM 535 Inorganic Chemistry
 - _____ CHM 565 Material Physics and Chemistry
 - _____ 10. PHY 215 General Physics I
 - _____ 11. PHY 225 General Physics II
 - _____ 12. MTH 145 Calculus II
 - _____ 13. CHM 705 Seminar in Chemistry I
 - and**
 - CHM 715 Seminar in Chemistry II
 - or-**
 - CHM 725 Study and Research at Oak Ridge
Laboratory
 - and**
 - CHM 715 Seminar in Chemistry II
- Calculus III (MTH 255) is also recommended.

August 31, 2007